

AUTOMATIC DYNAMIC SPEECH RECOGNITION VOCABULARY
BASED ON EXTERNAL SOURCES OF INFORMATION

ABSTRACT OF THE DISCLOSURE

An interactive voice response system is able to respond to questions from
5 users on general topics by including words related to those topics in the grammar of a
speech recognition system. Words that are added for all users are obtained from
current news reports obtained from news providers accessible via the Internet, or a
similar source. In addition, information is stored in an information database about
places or people that may be of interest to users, such as weather reports and fore-
10 casts for many cities. The grammar of the speech recognition system is modified for
an individual user to enable the system to recognize questions relating to, e.g., the
weather in one of the cities, only when the system detects that the user has accessed a
file containing a word included in the information database. The file may be a mes-
sage, calendar or address book.